

July 4, 2007

MEMORANDUM TO: Brent Clayton, Chief  
Environmental Technical Support Branch  
Division of Site and Environmental Reviews  
Office of New Reactors

FROM: Andrew J. Kugler, Senior Project Manager */RA/*  
Environmental Projects Branch B  
Division of Site and Environmental Reviews  
Office of New Reactors

SUBJECT: FORTHCOMING PUBLIC MEETING REGARDING THE UPDATE OF  
THE ENVIRONMENTAL STANDARD REVIEW PLAN (NUREG-1555)

DATE & TIME: August 9, 2007  
1:00 p.m. - 4:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
Two White Flint North Auditorium  
11545 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: The staff will be collecting public comments on the updated  
environmental standard review plan sections that have been issued up  
to that time for use and comment.

CATEGORY 3: \* This is a Category 3 Meeting. Public participation is actively sought.  
The meeting is specifically tailored for the public to comment and ask  
questions throughout the meeting.

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\*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"  
67 *Federal Register* 36920, May 28, 2002

B. Clayton

-2-

PARTICIPANTS: Participants from the NRC include staff from the Office of New Reactors (NRO).

NRC

B. Clayton, NRO

A. Kugler

T. Dozier, et al

Enclosure:

1. Agenda
2. High Priority Sections for Environmental Standard Review Plan, NUREG-1555, Vol 1

cc w/encl: See next page

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-2-

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NRC  
B. Clayton, NRO  
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Enclosure:

1. Agenda
2. High Priority Sections for Environmental Standard Review Plan, NUREG-1555, Vol 1

cc w/encl: See next page

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ADAMS ACCESSION NO.: ML071780182

OFFICE	RAP2/PM	DNRL/LA	RENV/BC
NAME	AKugler	PCoates	HBClayton
DATE	06/28/2007	06/28/2007	07/04/2007

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Proposed Agenda for Public Meeting

Update of Environmental Standard Review Plan (ESRP, NUREG-1555)

August 9, 2007

1:00 p.m.	Introductions/Opening Remarks	NRC
1:15 p.m.	Explanation of the ESRP update process and status <sup>1</sup>	NRC
1:45 p.m.	Opportunity for public comment	Public
4:15 p.m.	Closing comments and adjourn	NRC

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<sup>1</sup> See the following pages for background information

## Background

The Environmental Standard Review Plan (ESRP, NUREG-1555) provides guidance to the staff in implementing the provisions of 10 CFR 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," related to environmental reviews for nuclear power reactors. The ESRP is divided into chapters and sections that cover the various aspects of the environmental review. The staff last updated the ESRP in 1999.

The staff is in the process of updating selected portions of the ESRP to support expected applications for licenses for new reactors. This update is intended to address a number of issues, including changes in NRC regulations, changes in environmental laws, changes in electric markets (i.e., deregulation), and lessons learned from the reviews of early site permits.

The staff has divided the ESRP sections into four groups - high priority, moderate priority, low priority, and no changes needed. The staff's current efforts are focused on the high priority sections. See the table at the end of this document for a list of the high priority sections.

As the staff develops revisions to the sections, it will publish them for use and comment. The staff will consider comments on each section before issuing it as a final revision.

During the subject meeting the staff will discuss those high priority ESRP sections that have been published by July 31, 2007. Comments on these sections will be accepted through September 14, 2007. If any of the high priority sections are published after July 31, 2007, the staff will discuss them in the meeting if it is practicable to do so. Comments on these sections will be accepted for 45 days after they are published.

## High Priority Sections for *Environmental Standard Review Plan*, NUREG-1555, Vol. 1

### Possible New Environmental Standard Review Plans (ESRPs)

1. Cumulative impacts (probably needed)
2. Applicant's process for identifying any new and significant information regarding NRC conclusions in an EIS prepared in conjunction with an early site permit (ESP) application (probably needed)
3. Impacts of site redress (probably needed)
4. Acceptance review and sufficiency review of a new application (may fold this into the Introduction)

Existing ESRP Number	Priority	Complexity of Change
Introduction	high	significant
2.5.4 Environmental Justice	high	significant
3.7 Power Transmission System	high	significant
3.8 Transportation of Radioactive Materials	high	significant
4.1.1 The Site and Vicinity	high	major (assuming a new ESRP on redress is needed, otherwise significant)
4.1.2 Transmission Corridors and Offsite Areas	high	significant
4.3.1 Terrestrial Ecosystems	high	significant
4.3.2 Aquatic Ecosystems	high	significant
4.4.3 Environmental Justice Impacts	high	significant
4.6 Measures and Controls to Limit Adverse Impacts During Construction	high	significant
5.1.2 Transmission Corridors and Offsite Areas	high	significant
5.3.1.2 Aquatic Ecosystems	high	significant
5.3.4 Impacts to Members of the Public	high	significant
5.6.1 Terrestrial Ecosystems	high	significant
5.7 Uranium Fuel Cycle Impacts	high	significant
5.8.3 Environmental Justice Impacts	high	significant

<b>Existing ESRP Number</b>	<b>Priority</b>	<b>Complexity of Change</b>
5.10 Measures and Controls to Limit Adverse Impacts During Operation	high	significant
6.0 Environmental Measurements and Monitoring Programs	high	moderate
7.3 Severe Accident Mitigation Alternatives	high	significant
8.1 Description of Power System	high	significant
8.2.1 Power and Energy Requirements	high	significant
8.2.2 Factors Affecting Growth of Demand	high	significant
8.3 Power Supply	high	significant
8.4 Assessment of Need for Power	high	significant
9.2.1 Alternatives Not Requiring New Generating Capacity	high	significant
9.2.2 Alternatives Requiring New Generating Capacity	high	significant
9.2.3 Assessment of Alternative Energy Sources and Systems	high	significant
9.3 Alternative Sites	high	significant
9.4.1 Heat Dissipation Systems	high	significant
9.4.2 Circulating Water Systems	high	significant
9.4.3 Transmission Systems	high	significant
10.4.1 Benefits	high	significant
10.4.2 Costs	high	significant

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